

Great muslim mathematicians

Synopsis:

This book presents detailed accounts and analysis of the lives and world view of selected mathematicians of the Islamic period, their place in the world of science, the popularization of their lives, and their contributions specifically in mathematics and astronomy. The mathematicians whose life and work are elaborated in this book are al-Khwarizmi, Ibn al-Haytham, al-Biruni, Omar Khayyam and al-Tusi. This book negates the unjustified views made by some historians that the Muslims did not make any original contribution to mathematics and that they were mere preserver of knowledge of the Greeks. Numerous new documents have been discovered and old documents have been reread with a more critical and understanding mind. The results confirmed the fact that the contributions of mathematicians of the Islamic period indeed were of prime importance and greatly affected the development of all branches of modern mathematics. This book can be used as reference for students in the field of history of mathematics and also appropriate for mathematics students, teachers and instructors as well as for anyone who are in related fields.